

The

## CARRIER

MDARC

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Vol. 4 October 1956 Issue No. 10  
 Pres. W6CGS Vice Pres. K6DQM Secy. W6PEL Treas. W6LGW  
 Members-at-large - K6IMV & K6JER E.C.: W6OHR TVI-Chmn: W6RVC

THE REGULAR MONTHLY MEETING OF THE MOUNT DIABLO AMATEUR RADIO CLUB  
 will be held this Friday, October 19, at 8:00 P. M.

NEW MEETING PLACE: East Contra Costa Junior College Building No. 3  
 Room "B" (see map below)

This building is located nearest the flagpole at the main parking  
 lot as you enter the junior college grounds from Golf Links Road.

SPECIAL FEATURED SPEAKER: Harry Cameron, W6RVC - Topic "Where does  
 TVI Come from."

Also a representative of the Federal Communications Commission  
 office in San Francisco will try to be at the meeting.

If you or your neighbors have TVI problems, do not miss this  
 meeting. Bring your complaining neighbor to hear what he can do  
 to cure his complaint.

OTHER BUSINESS: Nominations of club officers for the 1957 term.  
 Come and sponsor your favorite candidate.--.

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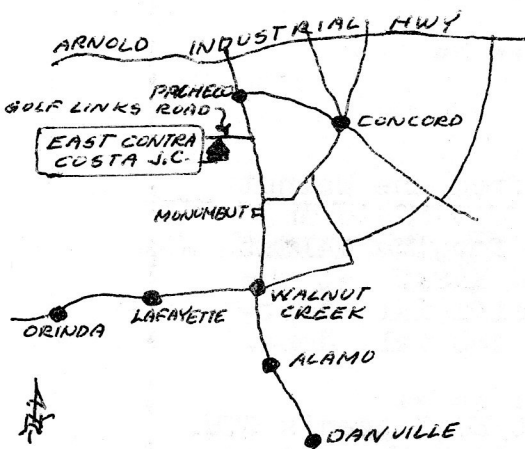
## PARTY LINE:

The transition from a rural area to a metropolitan suburban  
 area is very noticeable in this part of the country, but one fea-  
 ture of rural life has not disappeared, in fact it has been im-  
 proved, and that's the old party line. You just take a bunch of  
 hams with 2 meter equipment, give them a common crystal frequency,  
 let out a shout "Hey is anybody on" and first thing you know, you  
 have got the best gabfest going that you  
 ever did see. Everyone listens in, and the  
 news gets around fast. If you haven't tried  
 it, you are missing the pleasures of an old  
 custom with a modern twist. hi hi.--.

\*\*\* \*\* \*\* \*\* \*

October 7 was another day for the Coffee Cup  
 Net gang (3880 @ 7:30 a.m.). Supposedly a  
 meeting to install some antenna poles up for  
 K6HT, Ken of Bethel Island....The antennas  
 went up ok, but W6LGW es W6PIR wid family  
 arrived just in time for chow call of course!  
 Ken and Grace acting as A-1 Hosts with lotsa  
 food and refreshments. Dreary type WX that day  
 so grub was served inside K6HT's ample garage.  
 Approximately 20 arrived for the doings and a  
 great time was had by all.

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MAP ON  
 HOW TO GET TO THE  
 NEW MEETING PLACE

## A FRIEND DEPARTS:

About four years ago the Mt. Diablo Amateur Radio Club received permission to hold Field Day on a private ranch near Walnut Creek. The genial host watched with wonder the activities of a bunch of hams raising tents, stringing wires from the water tanks, and placing antennas all over two adjoining hills. When evening came, the tents lit up and Tom Smith watched with great pleasure the fellows at the microphones and the keys. He called his friends to see this gang of fellows talking to points all over the U. S. A. He enjoyed the show so much that he invited the gang to come every year, cutting the grass and locking up the horses so that the fellows could enjoy themselves. In our hectic activity he derived his annual fun and looked forward to our return. He sent his regrets from the hospital at missing our last Field Day. After many days of fighting his illness, Tom Smith's heart gave up the struggle and Tom left for the other world.

The Club Members will miss this good neighbor who always made them feel at home.--.

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## FOR SALE :::

G O N S E T   C O M M A N D E R & V F O  
Radiart 6 Volt Power Supply  
Master Mobile Antenna  
Electro-voice mike  
Complete with antenna loading coil      \$ 130.00

Call or see: Louis LeMesnager  
440 A Street  
Davis, California.:Phone SKY 3-2975

FOR LOCAL INFORMATION CALL: Don Stevens W6IDC  
1667 Oakland Blvd.  
Walnut Creek, Calif.  
Ph: Yellowstone 5-1463

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## NOTES ON WALNUT FESTIVAL PARADE:

Words of appreciation have been received from the Walnut Festival Chairman for the work of the M. D. A. R. C. Radio Amateurs who handled the communications via 2 meters for the Walnut Festival Parade. The participants were W6LGW & K6SAV at the receiving stand, K6ACQ at line-up point, W6OHR at official starter's booth, K6IMV at finish line. Thanks men for a job well done.

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BOARD MEETS: Oct. 9 the members of the Board met at Ed Ditzen's QTH. They were: Pete Peterson, Ed Ditzen (of course), Fred Reiben, John Hopkins, Bill Parkinson, Ed Fox, & Alex Eastman. Also present were Mrs. Mary Ann Eastman (Publicity) and Mrs. Ditzen. Very fine refreshments were served by hostess Mrs. Ditzen, and were enjoyed by all!

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P.S. Don't forget the "SWOOPS" you'll be hearing more about them later on, and we know you gals will be interested!

.-.-. -.-

# BIOGRAPHY OF K6IMV - BILL PARKINSON

## MEMBER-AT-LARGE OF THE MDARC

K6IMV, "Parky," was born in Connecticut, "The Nutmeg State." He entered All Hallows parochial school and at twelve he graduated from the 8th grade at Moosup Grammar School. Plainfield High School and Putnam Technical School came Next. With a choice of radio and electricity, he chose the latter.

Upon completing his electrical apprenticeship in 1935, he did some electrical contracting in the building tradesfield.

He entered the U. S. Navy in August 1936. As a bluejacket, he crossed the international date line once, the equator twice, and made three trips through the Panama Canal, visited such faraway places as the Virgin Islands, Cuba, Haiti, Hawaii, Samoa, Australia, Singapore, Manila and Guam.

In 1938 as an Electrician's Mate on board the U.S.S. Milwaukee he met Lee who is now K6OBB, and in San Francisco some 2 years later a new boss came into his life.

In February 1941 Parky started work at Mare Island Naval Shipyard where he is now employed in the Electrical and Electronics Bldg. His employment there has been continuous except for a military leave during World War II.

During his employment at MINS, he was thrice congratulated on the arrival of sons...KN6OSO in 1942, KN6TPO in 1943, and KN6OSQ in 1945. In 1948, Parky bought a surplus "ARB" receiver and became an SWL. Police calls intrigued him too. Like many other hams in the "PRE" stages, his radio receiver sat alongside his bed. (Yes, it was equipped with earphones, too!).

Within a few months he met W6LL and W6IRQ who told him about traffic, new friends, and lingo in the Ham world, and the bug began to nibble on his ear. Visits to radio shacks, and listening to Mission Trail Net made him more and more susceptible to the "Ham Bug." By 1953, Parky and a friend from MINS were learning the code. They later became KN6IMV and KN6IRB. Russ, W6VNI of Pleasant Hill was the examiner.

One night while Parky was listening to MTN, Pete, W6LGW, Alamo, checked in wanting a contact in W. C. or concord as he was having trouble with the twisted pair. Parky reported the difficulty to "Ma Bell" but it was not until late that evening, hearing Pete and Al W6LIL on the air, was able to get hold of Al on the phone and have him tell Pete that his trouble had been reported earlier. Pete expressed his thanks and invited Parky to the Club and his QTH. Parky took it from there and joined the MDARC. He later worked to improve his speed at Pete's code classes and brought the XYL and Jr. Ops.

Before Parky was ready for his General the XYL and 2 of the Jr's had taken their Novice exams. Parky is a member of ARRL, ROWH, AND MTN. He is active on 75 es 2.

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CODE CLASSES BEGIN AGAIN: Pete, W6LGW again has his code classes in full swing (still time for new students to enroll) - Every Wednesday night at 8:00 PM. Also, on the Monday Nights there are no Xmtr Hunts, Pete also gives classes in theory. Also beginning at 8:00 PM. If you are interested in these free classes call VERNON 7-2872 for more info.

# HOW TO USE A VOLT-OHM-MILLIAMMETER FOR ADJUSTMENTS ON A TRANSMITTER NOT EQUIPPED WITH GRID OR PLATE METERS

BY NEWMAN COMFORT JR K6BQP

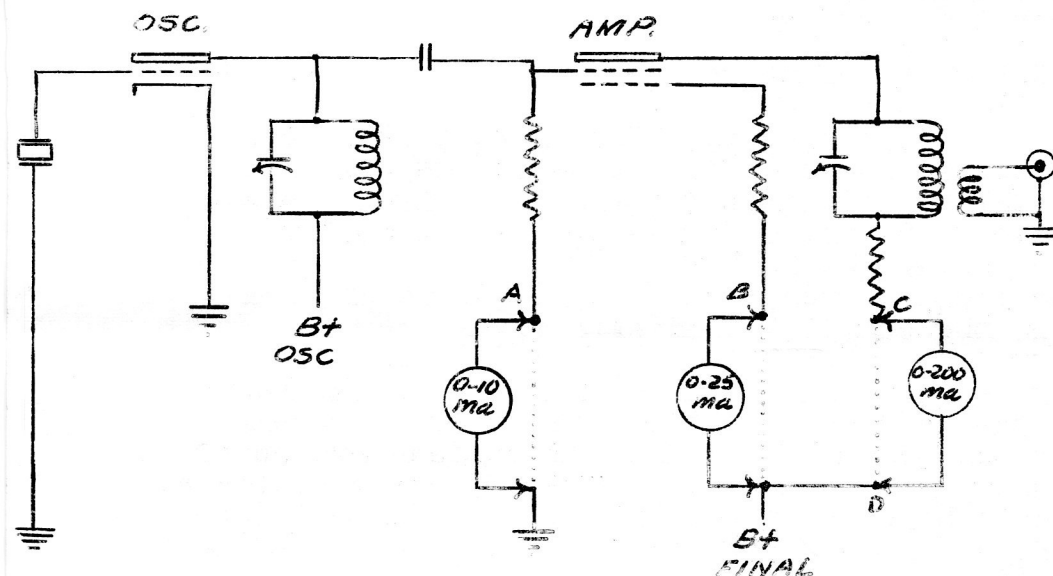


FIGURE 1

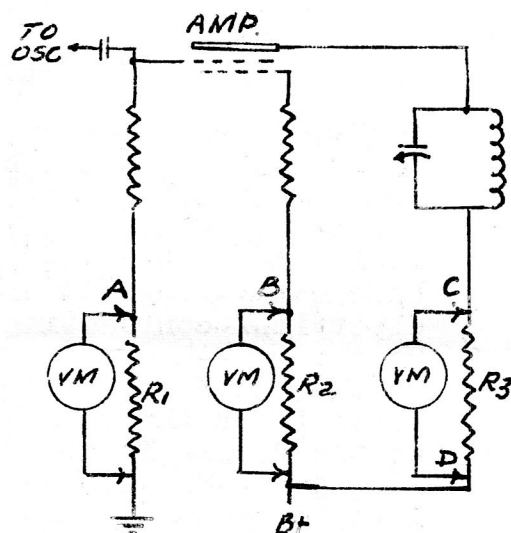


FIGURE 2

Method 1. Use milliammeter ( Refer to figure 1 )

Point "A"- Final grid drive to amplifier-to be 3 milliamperes  
Use 0-10 ma. scale

Point "B"- Final screen grid current-normal current to be 25 milliamperes  
Use 0-50 ma. scale

Point "C"- Final plate current-to be 100 milliamperes at full load  
Use 0-200 ma. scale

Note: Insert meter in series as shown in diagram

Method 2. Use 10 Volt voltmeter scale (Refer to figure 2 )

Instead of using 3 separate milliammeters install additional resistors as shown in figure 2 as R1, R2, and R3

Point "A"-To get 10 volts drop at 10 mils across resistor R1 for full scale  
by Ohm's Law- $R_1 = E/I = 10 \text{ volts} / .010 \text{ amps} = 1000 \text{ ohms}$  (Scale is 1 volt=1 mil)

Point "B"-To get 10 volts drop at 50 mils across resistor R2 for full scale  
by Ohm's Law- $R_2 = 10 \text{ volts} / .050 \text{ amps} = 200 \text{ ohms}$  (Scale is 1 volt=5 mils)

Point "C"-To get 10 volts drop at 200 mils across resistor R3 for full scale  
by Ohm's Law- $R_3 = 10 \text{ volts} / .200 \text{ amps} = 50 \text{ ohms}$   
Scale reads 1 volt=20 mils

Note: By this method it is possible to use a 10 volt scale voltmeter which has a sensitivity of 1000 ohms per volt or more for reading milliamperes.

Method 3. Use 10 Volt voltmeter scale with 2 pole 3 position switch as shown in figure 3. Without having to move the voltmeter leads readings can taken at points previously indicated.

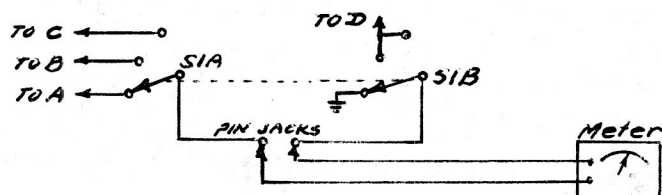


FIGURE 3.



Method 4. How to use a 0-1 ma. meter permanently wired into the circuit  
(See figure 4 ) to read mils

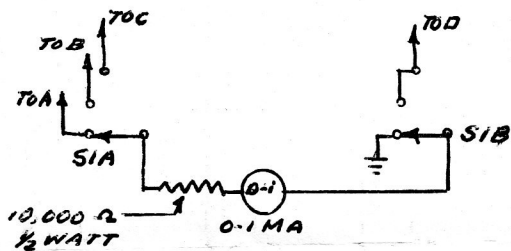


FIGURE 4.

Method 5. Use a 0-1 ma. meter to also read final plate voltage by use of a 2 pole-4 position switch. ( refer to figure 5 ) Use position #4 on switch.

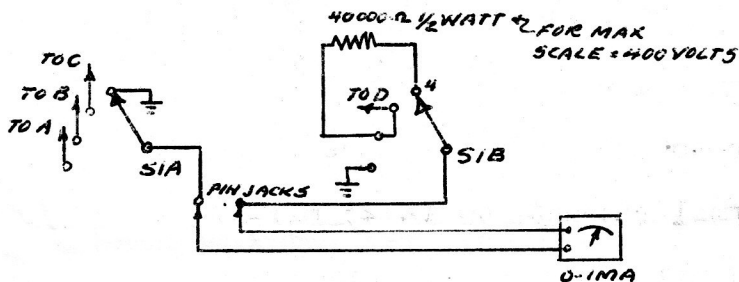
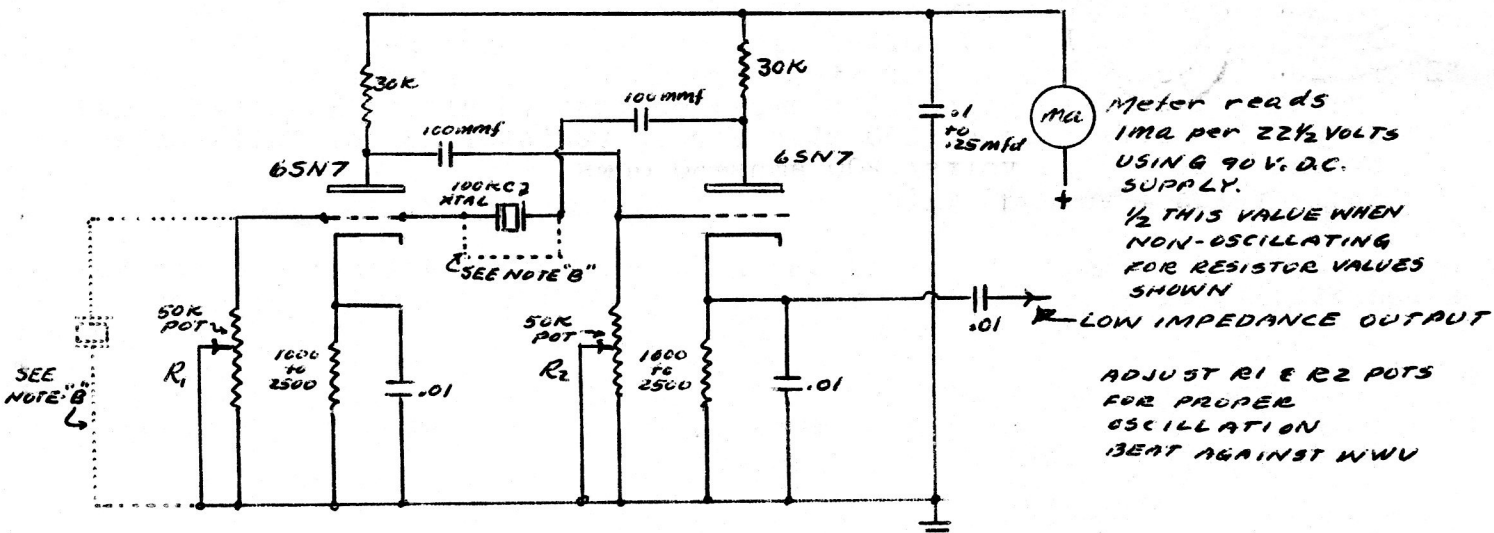


FIGURE 5

Note: The readings are approximately 5% accurate since we have not taken into account the current flow through the meter itself so the grid adjustment should be a little higher than specified in the tube manuals for class "C" operation.

# JOHN REINHARTZ FREQUENCY CHECKER MULTIVIBRATOR CIRCUIT



NOTE: ABOVE MULTIVIBRATOR GIVES 100KC. REFERENCE FROM 100KC TO 1MC.

STABLE TO 1 PART IN 10 MILLION

NOTE "B" - INSERT XTAL IN NEW POSITION SHOWN BY DOTTED LINES - SHORT OUT OLD XTAL POSITION. GET SUBMULTIPLES OF BASE FREQUENCY I.E.  $100\text{ KC} \div 2, 3, 4, 5, 6$  ETC.

Fred. Edwin,  
915 Juana St.,  
Walnut Creek, Calif.

